

### REMARKS

The claims now pending in the application are Claims 1 to 4, 6 to 10, 16, 18, 20 to 23, 25 to 29, 35, 37, 58 to 61, 63 to 67, 73, 75 and 77 to 83, the independent claims being Claims 1, 20, 58 and 77. Claims 5, 11 to 15, 17, 19, 24, 30 to 34, 36, 38 to 57, 62, 68 to 72, 74 and 76 have been cancelled herein. Claims 1 to 4, 6 to 10, 20 to 23, 25 to 27, 58 to 61, 63 to 65, 77 to 79 and 81 to 83 have been amended herein.

### DRAWINGS

In the Official Action dated December 19, 2003, the drawings were objected to on formal grounds.

By separate paper filed concurrently herewith, Applicant has submitted a Request for Approval to Amend the Drawings. In that Request, Applicant has amended Figs. 1 to 9 and 33, to include the reference PRIOR ART. as requested by the Examiner. No new matter has been added.

### RESTRICTION REQUIREMENT

Claims 11 to 15, 17, 19, 30 to 34, 36, 38, 49 to 53, 55, 57, 68 to 72, 74 and 76 were withdrawn consideration pursuant to a restriction requirement.

### CLAIMS

Claims 39 to 48, 54 and 56 were objected to under 37 C.F.R. § 1.75, as substantially duplicative of Claims 1 to 10, 16 and 18. Without conceding the propriety of the objection, Claims 39 to 48, 54 and 56 have been cancelled herein.

Claims 1 to 5, 16, 20 to 24, 35, 39 to 43, 54, 58 to 62, 73 and 77 to 79 were rejected under 35 U.S.C. § 102(e), as anticipated by U.S. Patent No. 6,005,613 (Endsley), and Claims 18, 37, 56 and 75 were rejected under 35 U.S.C. § 103(a), as unpatentable over the Endsley '613 patent. Claims 1, 3, 16, 18, 20, 22, 35, 37, 39, 41, 54, 56, 58, 60, 73 and

75 were rejected under 35 U.S.C. § 103(a), as unpatentable over U.S. Patent Application Publication No. 2001/0001563 (Tomaszewski), and Claims 2, 4, 5, 21, 23, 24, 40, 42, 43, 59, 61 and 62 were rejected under 35 U.S.C. § 103(a), as unpatentable over the '563 published application, in view of the Endsley '613 patent. Claims 6 to 10, 25 to 29, 44 to 48, 63 to 67 and 80 to 83 were rejected under 35 U.S.C. § 103(a), as unpatentable over the Endsley '613 patent in view of U.S. Patent 5,184,169 (Nishitani); Claims 6 to 10, 25 to 29, 44 to 48, 63 to 67 and 80 to 83 further were rejected under 35 U.S.C. § 103(a), as unpatentable over the Tomaszewski '563 published application and the Endsley '613 patent, further in view of the Nishitani '169 patent. Reconsideration and withdrawal of the objections and rejections respectfully are requested in view of the above amendments and the following remarks.

The rejections of the claims over the cited art respectfully are traversed. Nevertheless, without conceding the propriety of the rejections, Claims 5, 11 to 15, 17, 19, 24, 30 to 34, 36, 38 to 57, 62, 68 to 72, 74 and 76 have been amended, and Claims 1 to 4, 6 to 10, 20 to 23, 25 to 27, 58 to 61, 63 to 65, 77 to 79 and 81 to 83 have been amended herein more clearly to recite various novel features of the present invention, with particular attention to the Examiner's comments. Support for the proposed amendments may be found in the original application. No new matter has been added.

Applicant submits that the prior art fails to anticipate the present invention. Moreover, Applicant submits that there are differences between the subject matter sought to be patented and the prior art, such that the subject matter taken as a whole would not have been obvious to one of ordinary skill in the art at the time the invention was made.

The Endsley '613 patent relates to a multi-mode digital camera with computer interface using data packets combining image and mode data, and discloses a digital camera having a digital interface for transmitting digitized image data to a host computer, means for controlling the image sensor in at least two different camera configurations, each configuration including configuration information defining a plurality

of camera parameters, and means for communicating at least part of the configuration information along with the digitized image data to the computer via the digital interface. However, Applicant submits that the Endsley '613 patent fails to disclose or suggest at least the above-described features of the present invention. Rather, in the Endsley '613 patent system, the camera is connected to a PC through a USB interface, and the PC sets camera configurations and transmits them to the camera so as to control the camera; that is, the camera configurations are set by a user, one-by-one (see, Figures 3A-3B and the corresponding text at column 7, line 28 *et. seq.*). Applicant submits that the Endsley '613 patent fails to disclose or suggest the features of a control unit functioning together with a guide unit, wherein in a case that the connection detection unit detects the connection to the image pickup apparatus, the control unit effects control so as to transmit to the image pickup apparatus a plurality of kinds of control data corresponding to the photographing condition selected by the guide unit, as disclosed and claimed in the present application.

The Tomaszewski '563 publication relates to a method and apparatus to control the behavior of a digital camera by detecting connectivity to a universal serial bus, and discloses a method which detects connectivity to a universal serial bus (USB) and automatically switches to a corresponding mode of operation depending on a result of the detection. However, Applicant submits that the Tomaszewski '563 publication fails to disclose or suggest at least the above-described features of the present invention. Rather, in the Tomaszewski '563 publication system, when a PC 100 detects that a camera 104 is connected thereto through a USB interface, the PC then transmits a command to the camera so as to control it (see, e.g., paragraph [0021]); Applicant submits that the Tomaszewski '563 patent fails to teach the feature of setting only a photographing condition with a PC so as to set into the camera a plurality of kinds of control data corresponding to the set photographing condition; Applicant submits that the Tomaszewski '563 publication is silent with respect to the claimed photographing mode. Applicant submits that the Tomaszewski '563 publication fails to disclose or suggest the feature of a

control unit which is communicatively coupled to a storage unit, a connection detecting unit and a guide unit, wherein in a case that the connection detection unit detects the connection to the image pickup apparatus, the control unit effects control so as to transmit to the image pickup apparatus a plurality of kinds of control data corresponding to the photographing condition selected by the guide unit, as disclosed and claimed in the present application. Nor is the Tomaszewski '563 publication add to understand anything to the Endsley '613 patent that would make obvious the claimed invention.

The Nishitani '169 patent relates to photographic mode input systems, and discloses a mode input system for inputting any selected one of a plurality of predetermined optional photographic modes into a camera having a microcomputer for controlling exposure. However, Applicant submits that the Nishitani '169 patent fails to disclose or suggest at least the above-described features of the present invention. Rather, Applicant submits the Nishitani '169 patent merely discloses a camera in which it is arranged to set a plurality of control data in response to insertion of a card 12 into the camera (see, e.g., column 3, lines 1 to 14 and column 4, lines 1 to 15). Applicant submits that the Nishitani '169 patent fails to disclose or suggest a camera connected to an external control apparatus which sets control data into the camera through a communication line, as disclosed and claimed in the present application. Nor is the Nishitani '169 patent understood to add anything to the Endsley '613 patent and/or the Tomaszewski '563 publication that would make obvious the claimed invention.

For the above reasons, Applicant submits that independent Claims 1, 20, 58 and 77 are allowable over the cited art.

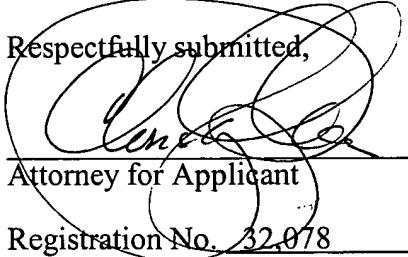
Claims 2 to 4, 6 to 10, 16, 18, 22 to 23, 25 to 29, 35, 37, 59 to 61, 63 to 67, 73, 75 and 78 to 83 depend from Claims 1, 20, 58 and 77, respectively, and are believed allowable for the same reasons. Moreover, each of these dependent claims recites additional features in combination with the features of its respective base claim, and is

believed allowable in its own right. Individual consideration of the dependent claims respectfully is requested.

In formal matters, the specification has been amended as to matters of form, including English spelling, grammar, idiom, syntax and the like. No new matter has been added.

Applicant believes that the present Amendment is responsive to each of the points raised by the Examiner in the Official Action, and submits that the application is in allowable form. Favorable consideration of the claims and passage to issue of the present application at the Examiner's earliest convenience earnestly are solicited.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

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